WHAT IS CLAIMED IS:

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1. An alignment method for eliminating process bias error, comprising:

forming at least three first trenches on a mark area to form a first polygon having a first geometric center on a substrate, a shape of the first trenches being a bar with two reducing-width-to-zero ends;

depositing a thin film on the substrate, the thin film forming second trenches in the first trenches, respectively;

connecting two ends of each second trench with a second line to form a second polygon having a second geometric center; and

performing a photolithography process using the second geometric center as an alignment target for patterning the thin film.

- 2. The method of claim 1, wherein a shape of the first trenches is a spindle.
 - 3. The method of claim 1, wherein the first polygon and the second polygon are triangles.
- 4. The method of claim 1, wherein the first polygon and the second polygon are squares.
 - 5. The method of claim 1, wherein the thin film comprises a metal film.
- 6. An alignment method for eliminating process bias error, comprising:

forming at least two first trenches, being non-parallel, on a mark area of a substrate so that respective extension lines of the two first trenches intersect each other at a first intersection, a shape of the first trenches being a bar with two reducing-width-to-zero ends;

depositing a thin film on the substrate, the thin film forming second trenches in the first trenches, respectively;

connecting two ends of each second trench with a second line, wherein the second lines intersect with each other on a second intersection; and

performing a photolithography process using the second intersection as an alignment target for patterning the thin film.

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- 7. The method of claim 6, wherein the shape of the first trenches is a spindle.
 - 8. The method of claim 6, wherein the thin film comprises a metal film.
 - 9. An alignment method for eliminating process bias error, comprising:

forming at least a first trench on a mark area of a substrate, a shape of the first trench being a crossbar with four reducing-width-to-zero ends, two first lines respectively connecting two opposite ends of the first trench to form a first cross;

depositing a thin film on the substrate, the thin film forming a second trench in the first trench;

connecting opposite two ends of the second trench with second lines to form a second cross; and

performing a photolithography process by using a center of the second cross as an alignment target for patterning the thin film.

- 10. The method of claim 9, wherein the shape of the first trenches is a cross-spindle.
 - 11. The method of claim 9, wherein the thin film comprises a metal film.
 - 12. An alignment mark for eliminating process bias error, comprising:

 at least three trenches on a mark area to form a polygon having a
 geometric center on a substrate, a shape of the trenches being a bar with two
 reducing-width-to-zero ends, and a line, connecting the two ends of each trench,
 being parallel to two edges of the bar.

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- 13. The alignment mark of claim 12, wherein the shape of the trenches is a spindle.
 - 14. The alignment mark of claim 12, wherein the polygon is a triangle.
 - 15. The alignment mark of claim 12, wherein the polygon is a square.
- 16. An alignment mark for eliminating process bias error, comprising: at least two trenches, being non-parallel, on a mark area of a substrate so that respective extension lines of the two trenches cross each other at an intersection, a shape of the trenches being a bar with two

reducing-width-to-zero ends, and a line, connecting two ends of each trench, being parallel to two edges of the bar.

- 17. The alignment mark of claim 16, wherein the shape of the trenches is a spindle.
 - 18. The alignment mark of claim 16, wherein the two trenches cross over each other to form a cross-shaped trench.